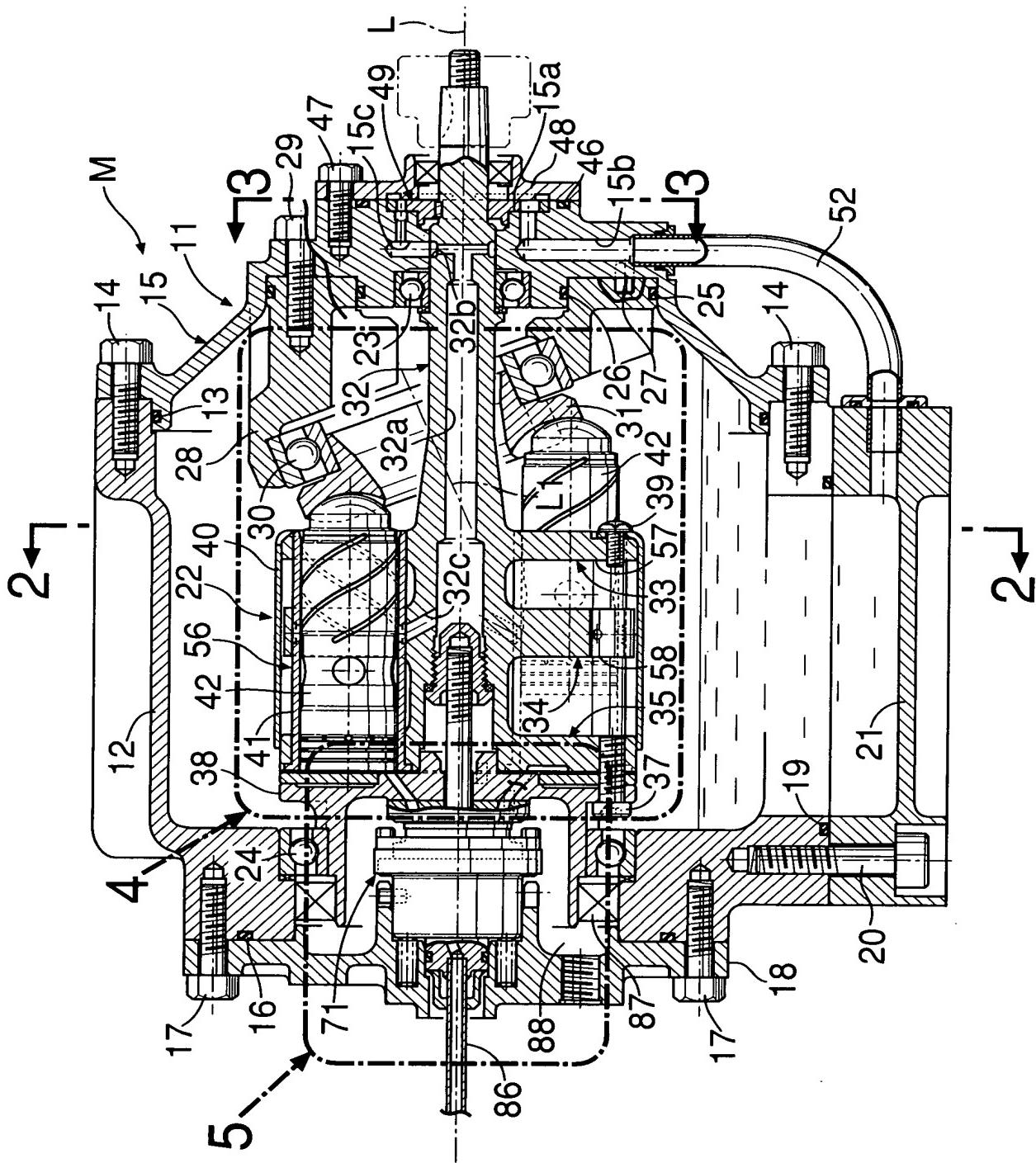
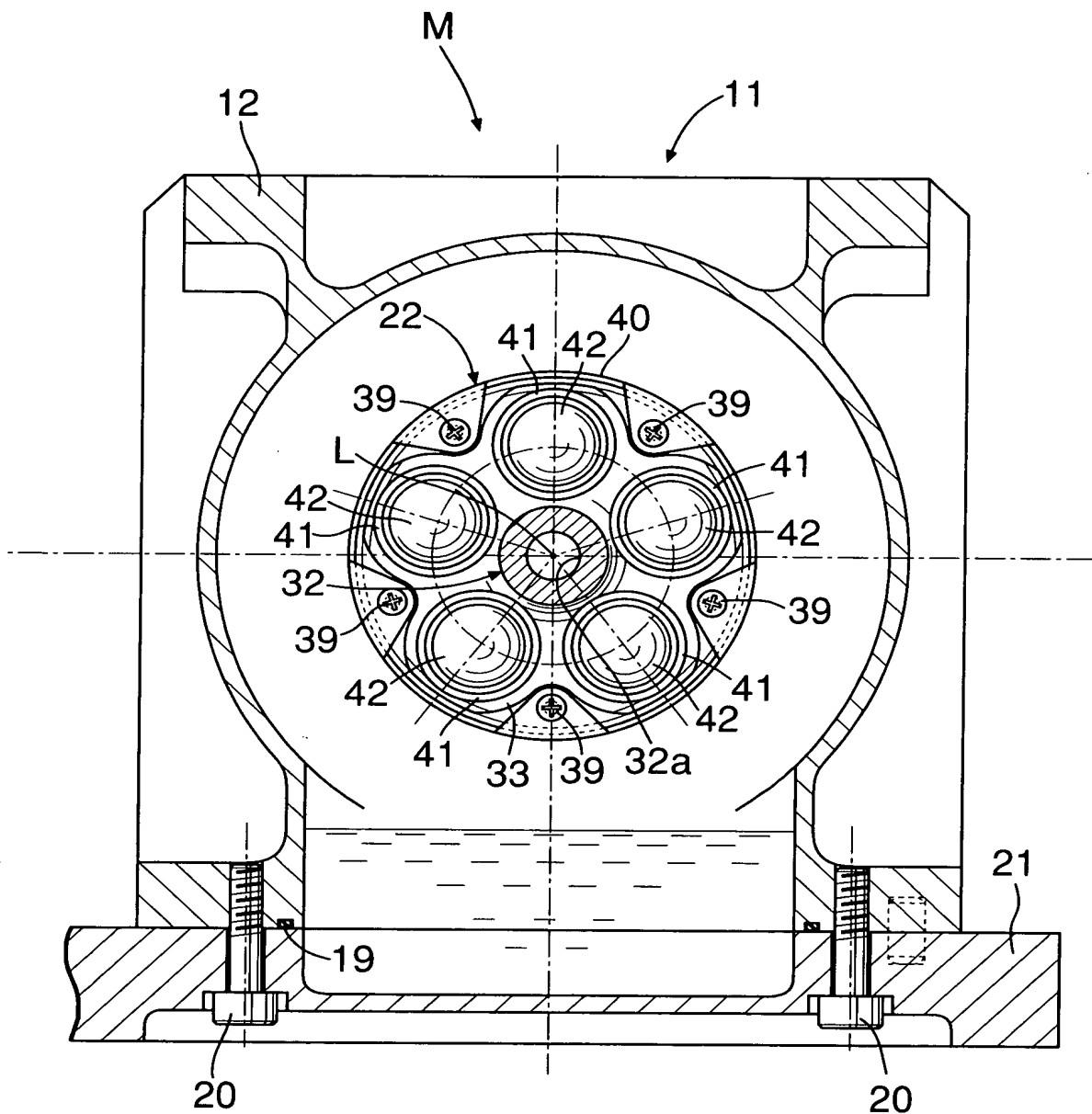


FIG.1



2/15

FIG.2



3/15

FIG.3

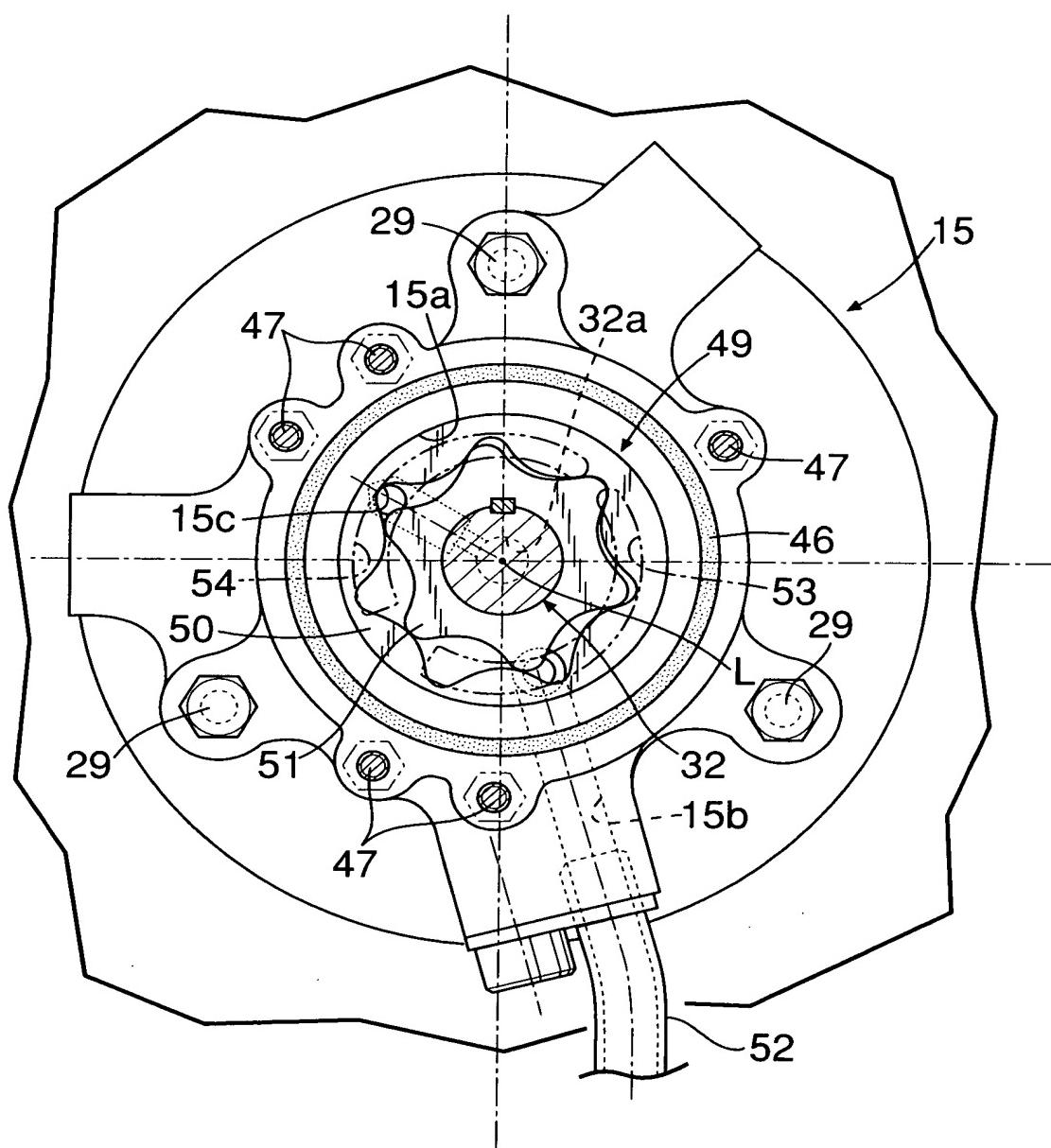
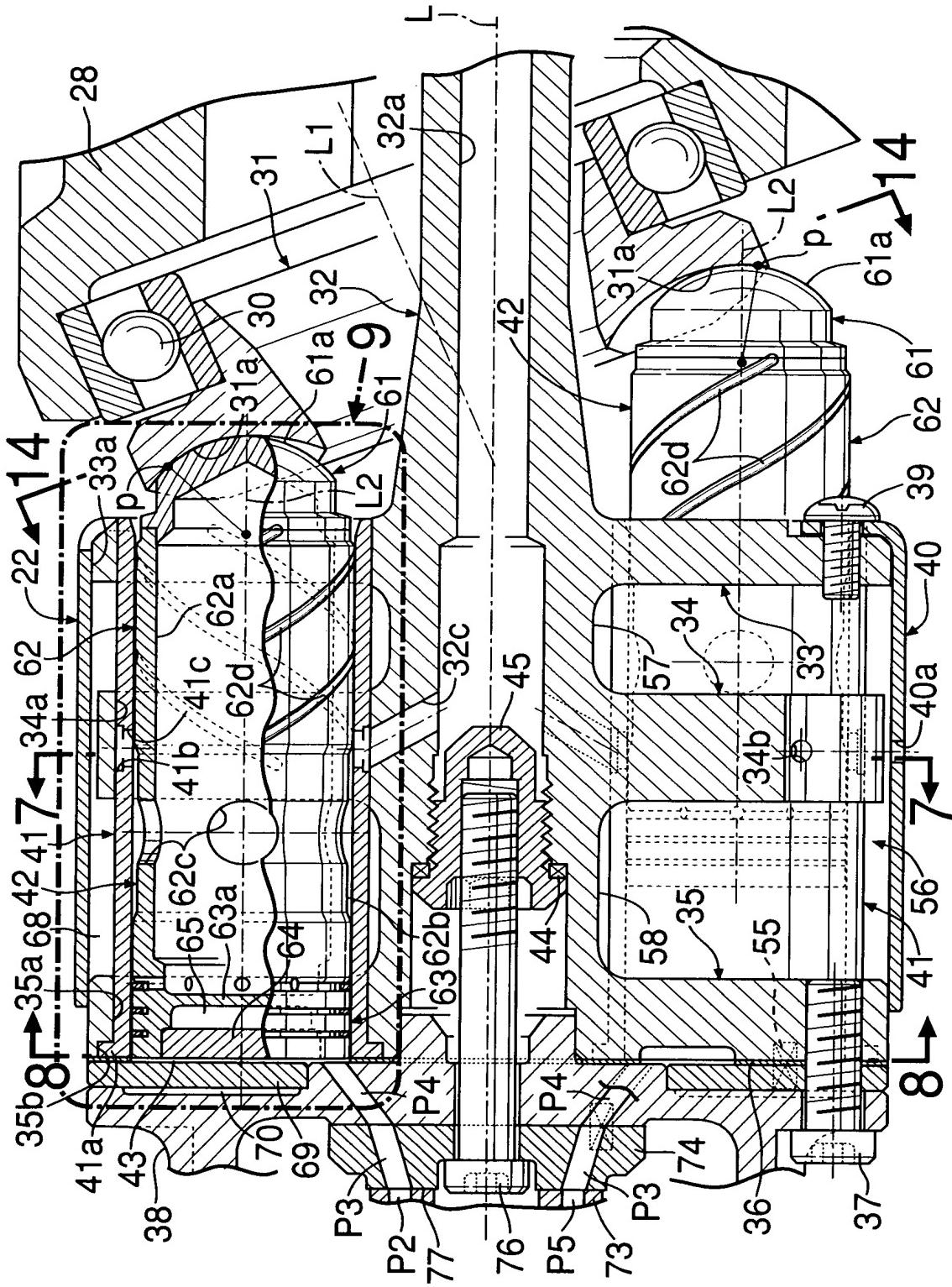


FIG.4



5/15

FIG.5

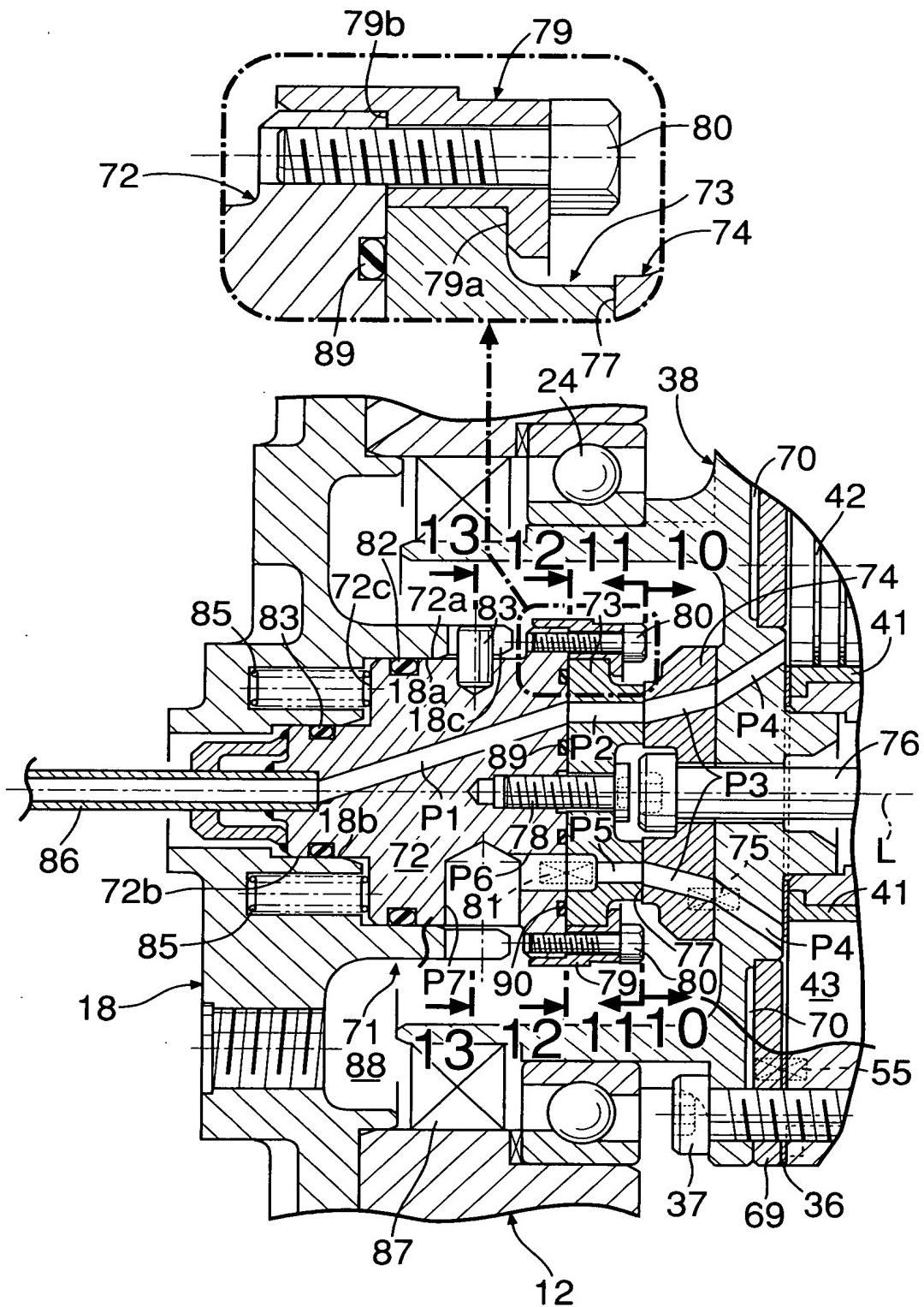
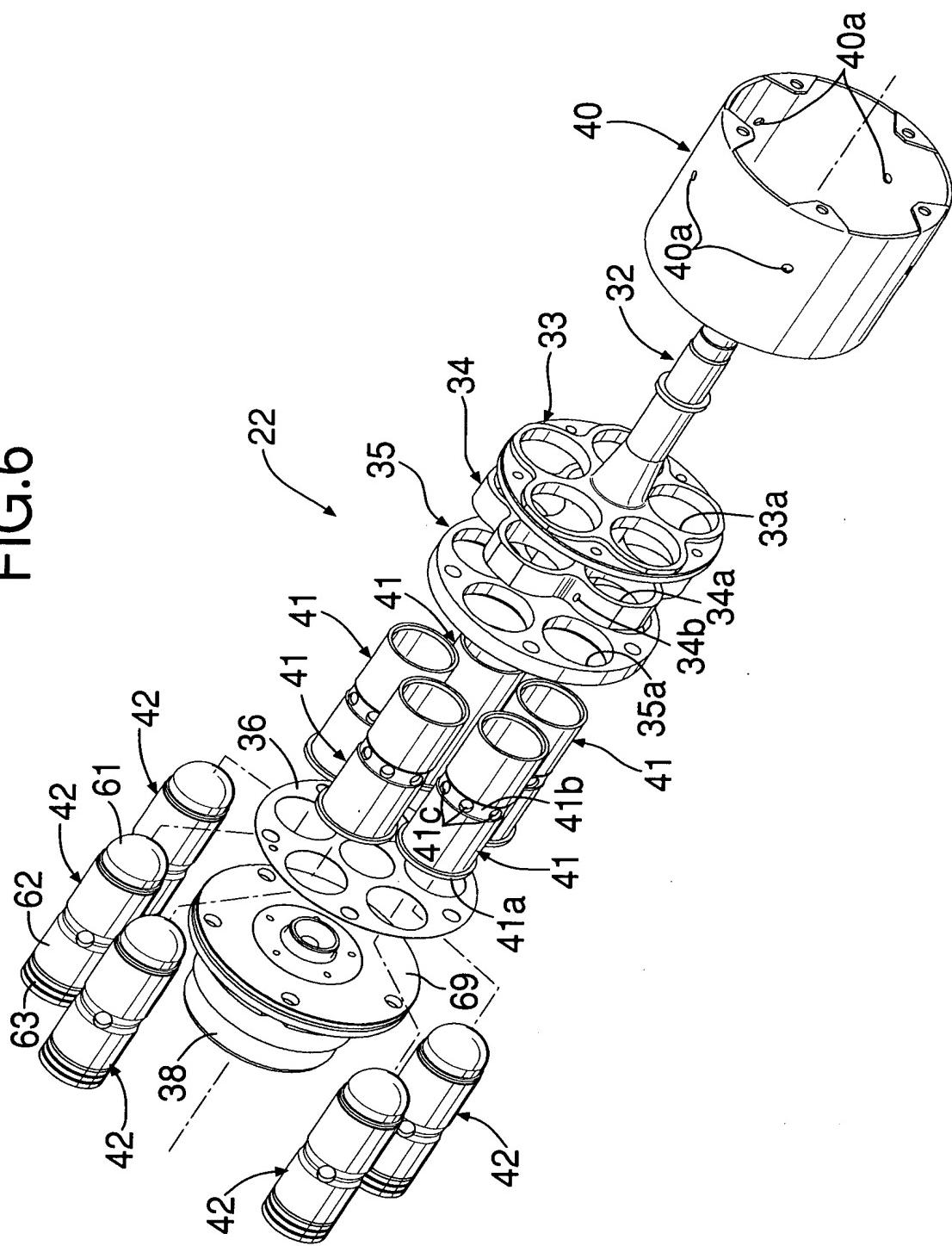
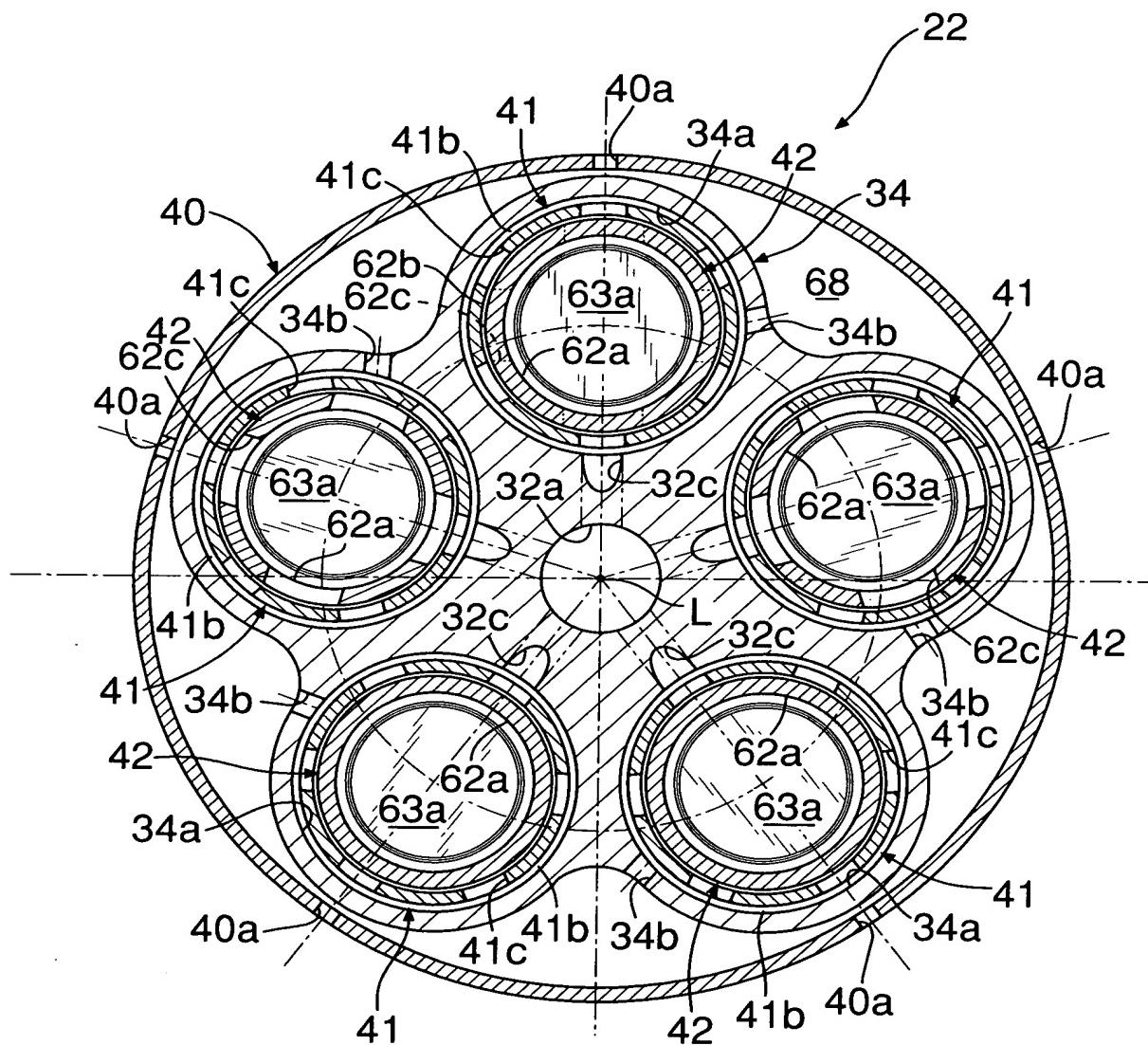


FIG.6



7/15

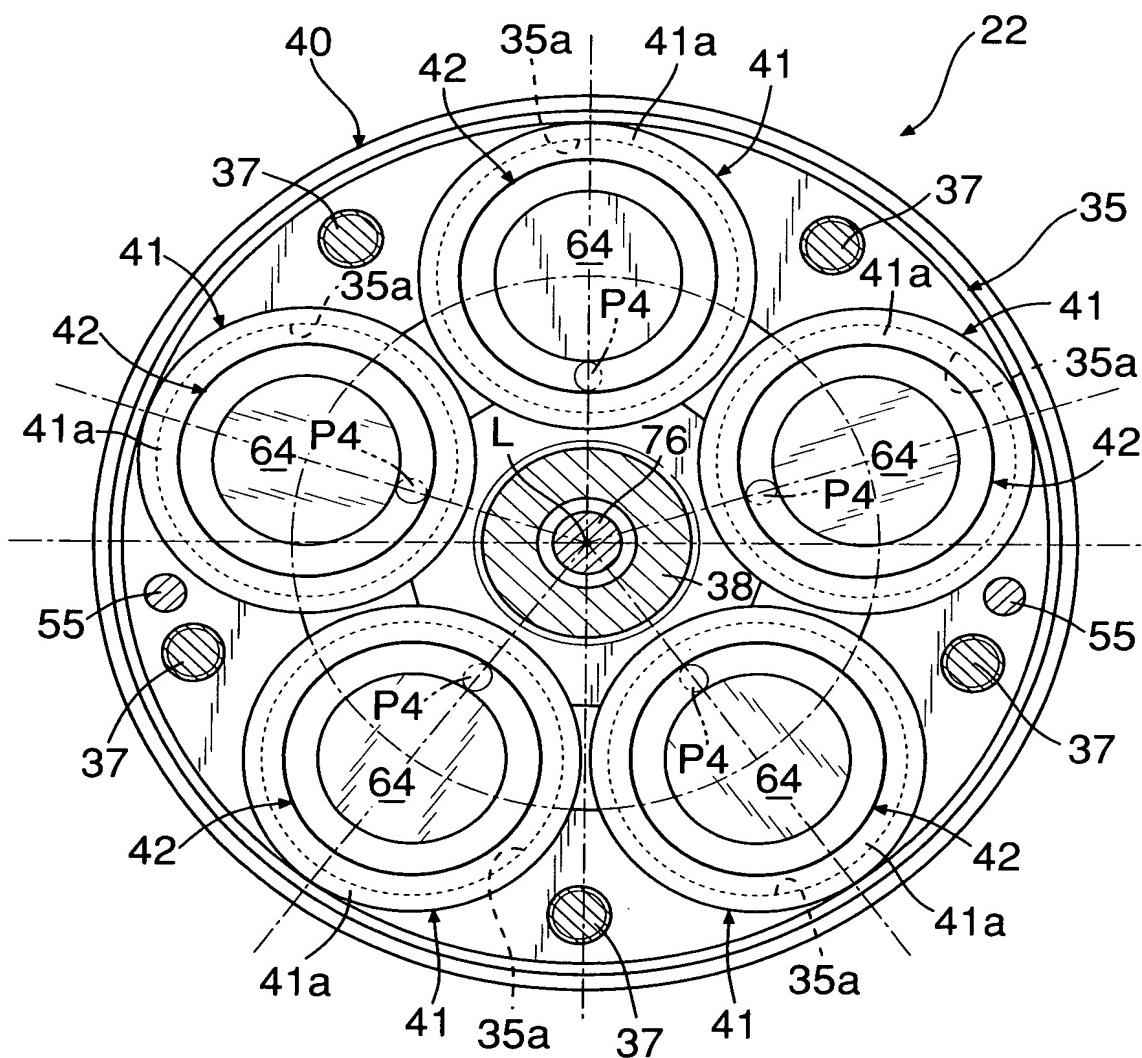
FIG.7



10/516883

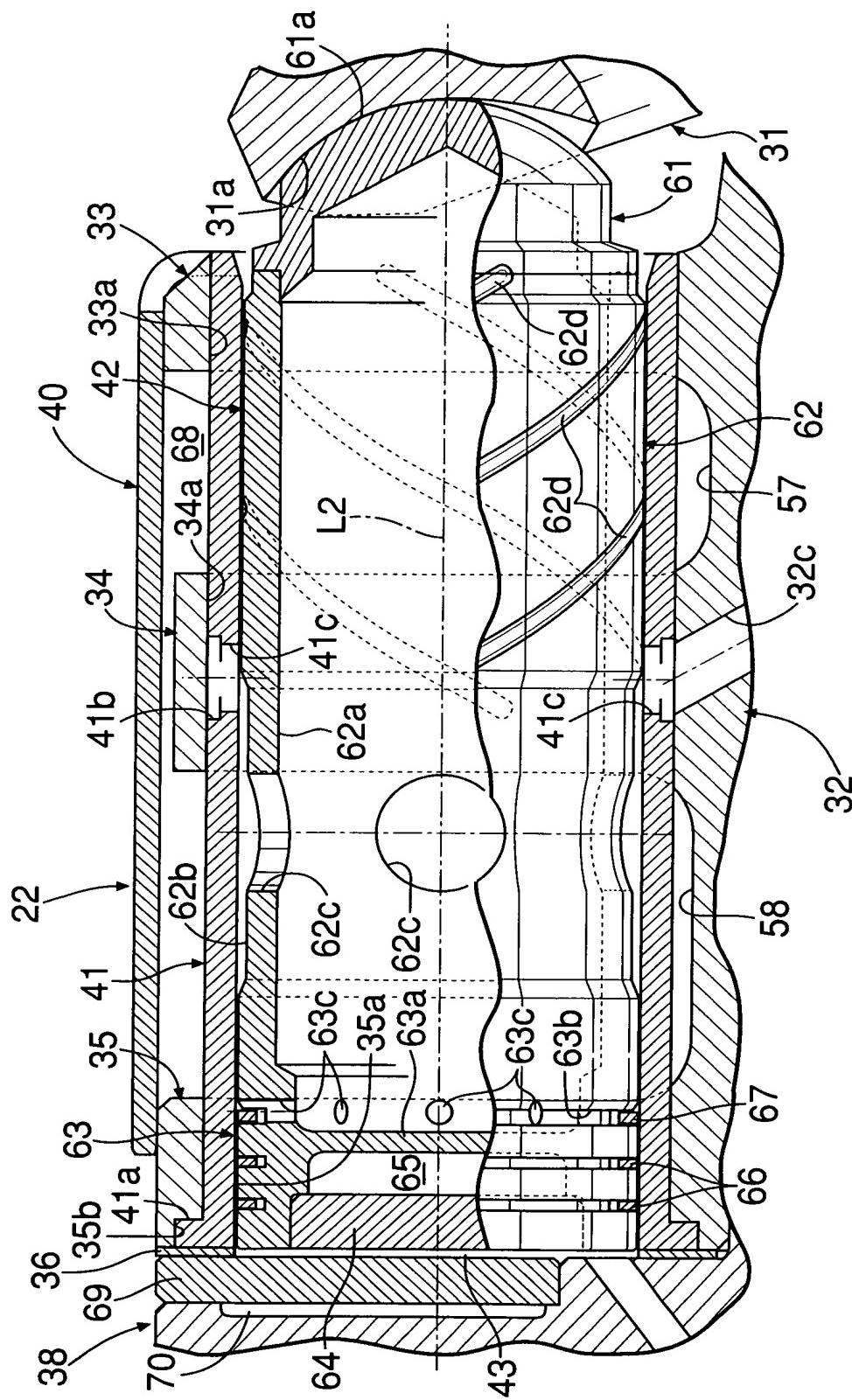
8/15

FIG.8

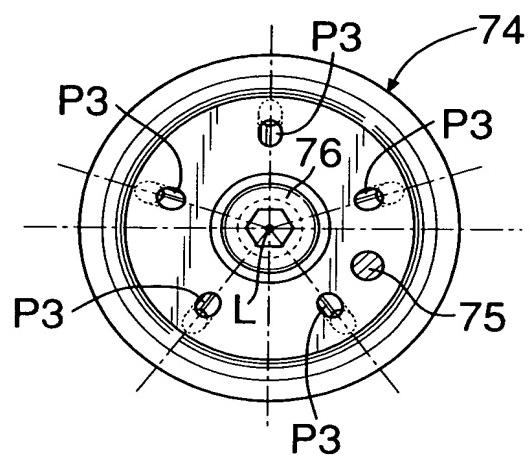
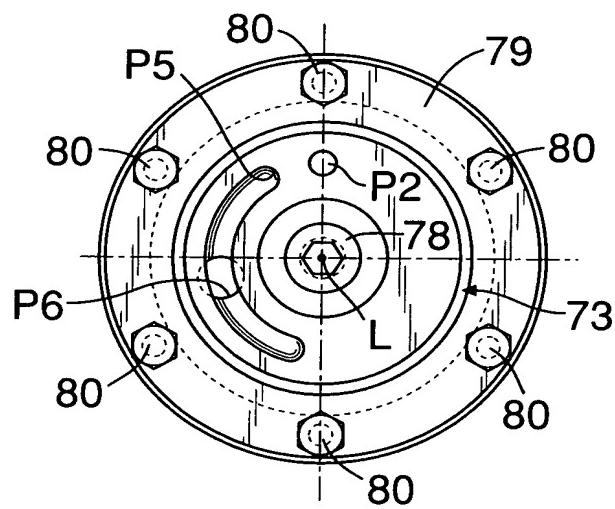


9/15

FIG.9



10/15

FIG.10**FIG.11**

11/15

FIG.12

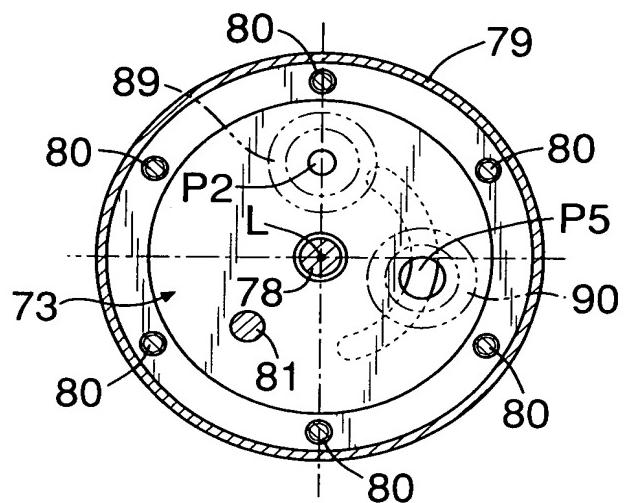
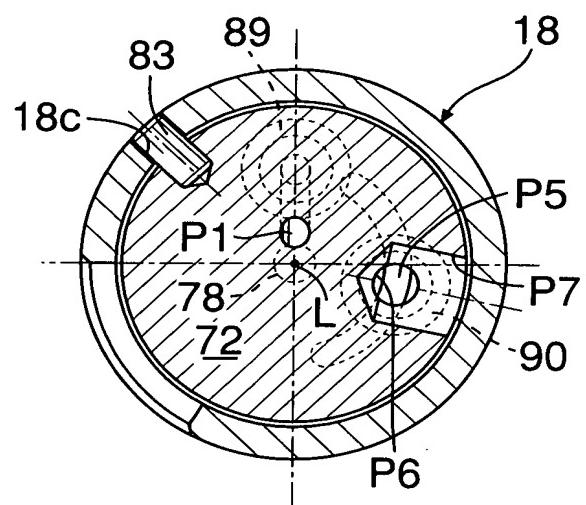
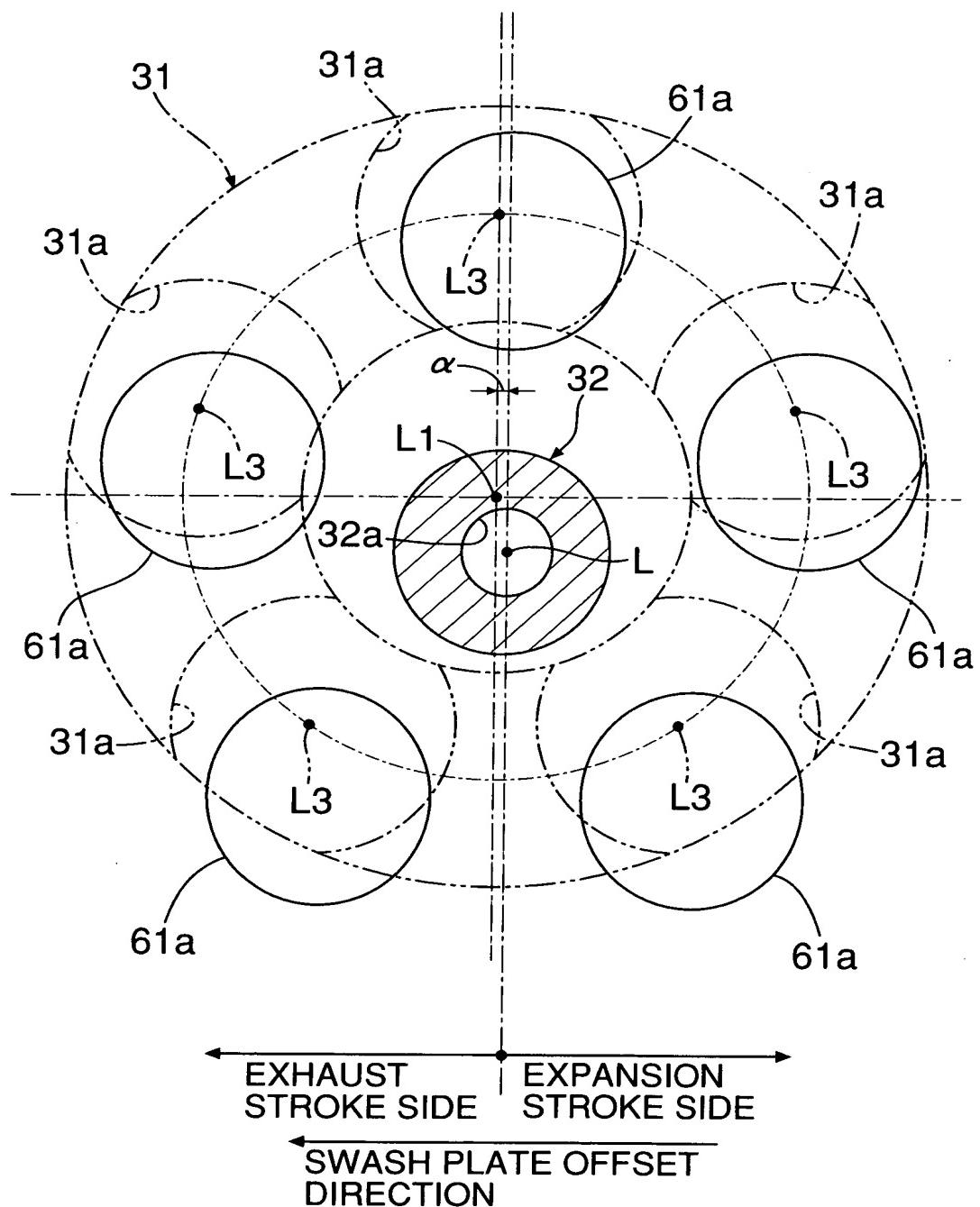


FIG.13



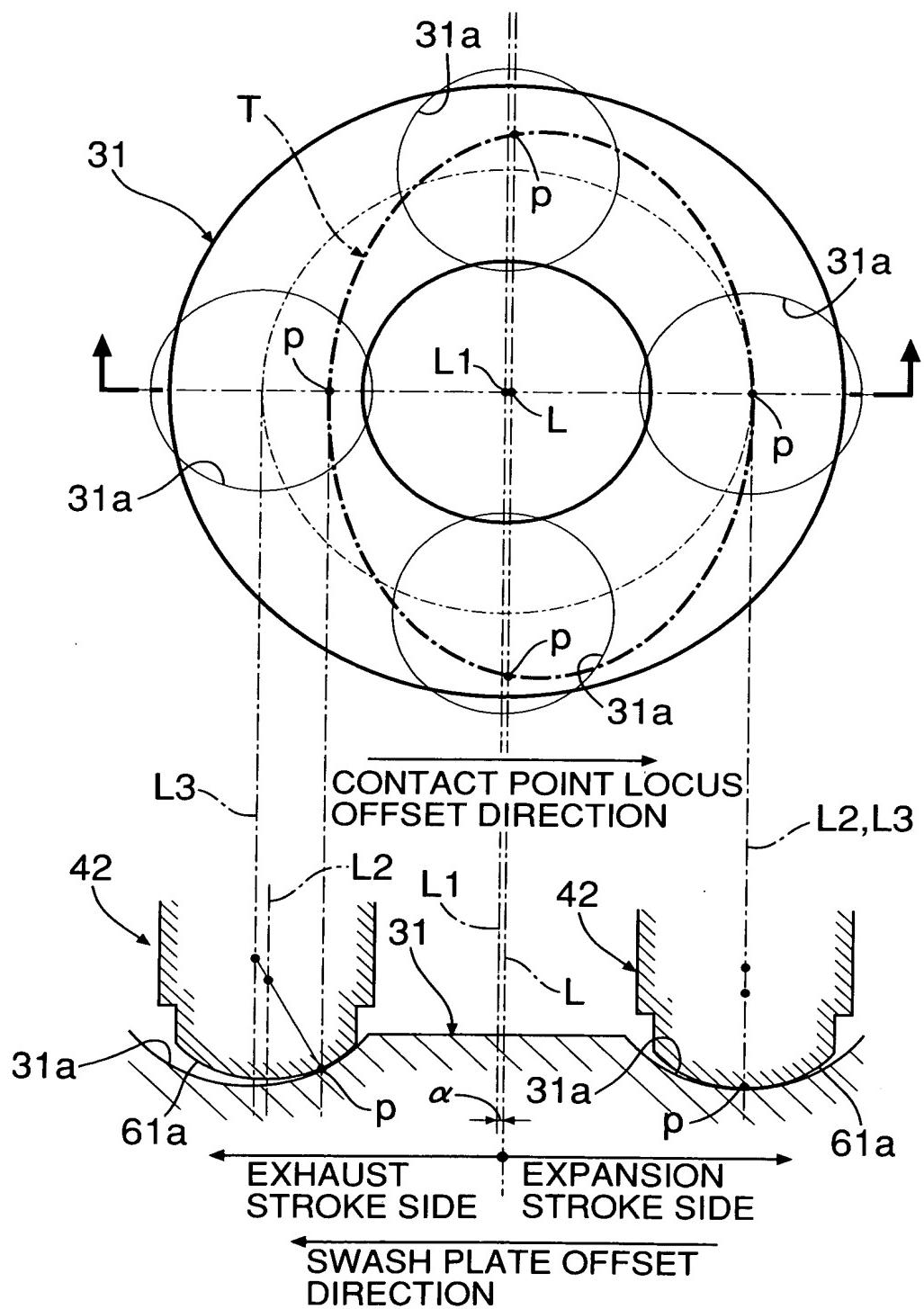
12/15

FIG.14



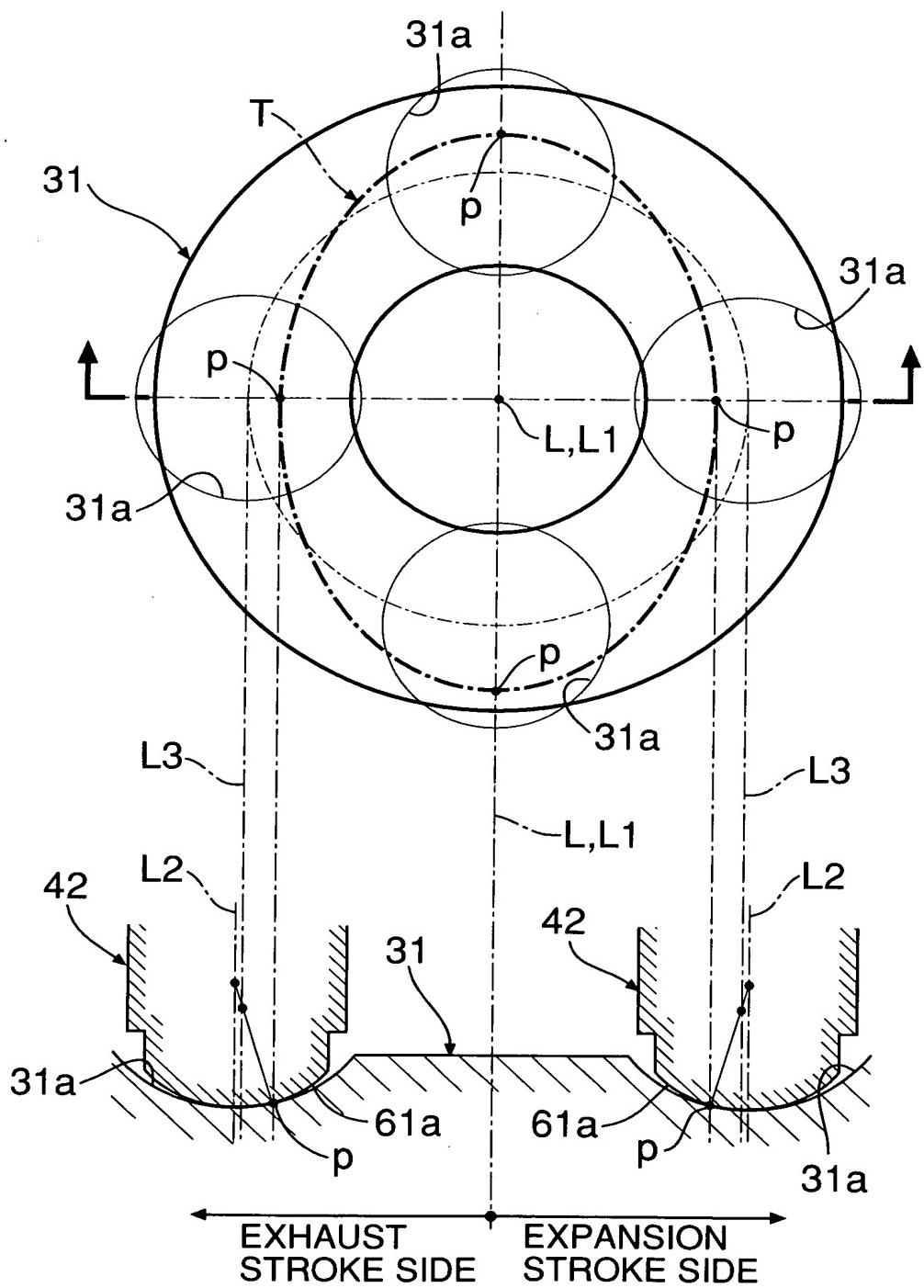
13/15

FIG.15
OFFSET PRESENT



14/15

FIG.16

OFFSET NOT PRESENT

15/15

FIG. 17

PISTON BENDING STRESS CHARACTERISTICS